

Single-Phase Network Analyzer / RS485 Modbus

Z-PC LINE

Special modules



- ▶ INPUT: up to 500 Vac, 5 Arms
- ▶ OUTPUT: N.1 channel current 0..20, 4..20 mA or voltage 0..5, 0..10 Vdc
- ▶ INTERFACE:
 - ▶ -RS485 serial communication with Modbus-RTU protocol
 - ▶ -Analogue output configurable to Vrms, Irms, Watt, Var, cosΦ
- ▶ Easy Dip-switch settings for address and baud rate
- ▶ Accuracy: 0,5%
- ▶ Galvanic isolation @ 3,75 KV
- ▶ Screw-fit terminals removable
- ▶ Din rail mounting
- ▶ Power supply: 10..40 Vdc, 19..28 Vac

TECHNICAL SPECIFICATIONS

Z-203 - Single-Phase Network Analyzer / RS485 Modbus



SERIAL LINE ACCESSORIES

- **K107A** – RS485 ↔ RS485 isolator repeater
- **K107B** – RS232 ↔ RS485 converter
- **K107USB (S107USB)** – USB ↔ RS485 converters din rail mounting or portable version (S107USB)

GENERAL FEATURES

| | |
|-------------------------------|--|
| Power supply | 10÷40Vdc, 19÷28 Vac |
| Channels | N.1 |
| Accuracy | < 0,5% |
| Status indicators | - Power - Fail - Communication on Rs485 |
| Galvanic Isolation | - Input/Power supply and Input/Output at 3750 Vac - others at 1.500 Vac |
| Hot swapping | Yes |
| Power consumption | max 2,0 W |
| Protections for inputs | Against Surges: up to 4kV |
| Humidity | 30..90% a +40°C (not condensing) |
| Mounting | 35 mm DIN 46277 |

INPUT

Voltage: max 500 Vac, 50-60 Hz
Current: 5 Arms, 50-60 Hz

ORDER CODE

Cod. Z-203

Accessories & Software

- **Cod. Z-PC-DINAL** – terminal block for power & RS485 communication
- **Cod. Z-PC-DIN2** – 2 slot block
- **Cod. Z-PC-DIN4** – 4 slot block
- **Cod. Z-PC-DIN8** – 8 slot block
- **Z-PROG / Z-NET3** - configuration software downloading from www.seneca.it
- **PM001600** – programming cable (DB9 / jack stereo)

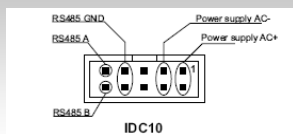
| | |
|------------------------------|--|
| Design | Terminal housing for mounting on 35 mm DIN 46277 |
| Data memory | EEPROM for all configuration data; storage time: 10 years. |
| DIP Switch | - Address setting - Baud rate setting |
| Enclosure | "V0" self-extinguishing glass filled nylon case |
| Dimensions | 17,5 x 100 x 112 mm (w x h x d) |
| Weight | 140 g |
| Operating temperature | -10..+65 °C |
| Connections | Plug-in screw clamp terminal blocks, wires up to 2.5 mm ² |
| IP Protection | IP 20 |
| Standards | EN50081-2 EN50082-2 EN61010-1 |
| Approvals | CE, UL-CSA |

INTERFACE

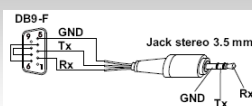
Rs485 Modbus RTU slave: 1200...115200 baud rate
Analogue output: corresponding at Vrms, Irms, Watt, Var, cosΦ

DIMENSIONS AND INSTALLATION

RS485 and power supply

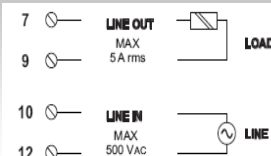


RS232 (cable for front connector)



Inputs

Inputs



Inputs (with TA)

